Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/07/2022 08:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124844	-1	1.96	124696	1.95
Blue	F	SSC	125000	123621	-2	3.60	124131	3.53
Blue	E	FITC	15860	15352	-4	2.44	374	13.58
Blue	D	PE	27718	27097	-3	2.00	628	10.11
Blue	B	PerCP-Cy5-5	38046	37236	-3	3.17	1019	14.76
Blue	A	PE-Cy7	26092	25898	-1	4.85	508	29.99
Red	C	APC	49104	48286	-2	2.62	1702	11.30
Red	A	APC-Cy7	28201	27163	-4	2.93	715	12.19
Violet	B	V450	9904	9367	-6	3.80	522	11.30
Violet	A	V500	39004	37533	-4	3.41	980	8.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23914	2.39	567	-2	N/A	N/A	Pass
Blue	F	SSC	55322	2.06	519	-9	N/A	N/A	Pass
Blue	E	FITC	58	54.24	489	-2	0.0484	98	Pass
Blue	D	PE	122	37.93	494	-2	0.4820	358	Pass
Blue	B	PerCP-Cy5-5	138	44.33	586	-3	0.0202	66	Pass
Blue	A	PE-Cy7	64	92.25	629	-3	0.0226	2	Pass
Red	C	APC	326	26.71	578	-3	0.0287	187	Pass
Red	A	APC-Cy7	94	43.16	550	-5	0.0064	1251	Pass
Violet	B	V450	84	48.84	465	7	0.0666	2499	Pass
Violet	A	V500	122	32.54	477	8	0.0249	1150	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.14	-32.02	1.00
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.56	13.90 - 20.86	N/A	N/A	30.32	30.55	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12214

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments